Reviewer's report

Title: Risk factors associated with osteonecrosis of femoral head after internal fixation of femoral neck fracture: A systematic review and meta-analysis

Version: 2 Date: 29 Oct 2019

Reviewer: Young-Kyun Lee

Reviewer's report:

GENERAL COMMENTS
This study was a systematic review and meta-analysis of risk factors for ONFH after internal fixation of femur neck fracture. However, there are many studies of risk factors that develop ONFH after internal fixation in patients with femoral neck fracture. In particular, many cohort studies and prospective studies on this topic have been conducted, and meta-analysis has also been reported. There is some debate but it is already well known. At this point, the need for meta-analysis is not urgent. Even if there is a need for Meta-analysis, there is a problem with the method. Many questions and errors in the methodology make it difficult to accept.

SPECIFIC COMMENTS
METHODS-

- The proper search using mesh term could not be provided.

- You should re-describe the inclusion and exclusion criteria.

- Among the studies that reported results after internal fixation of the femoral neck fracture, it was possible that the results of the analysis of complication risks were excluded from this study.

- There are no definitions for the internal fixation methods, and studies that compare the internal fixation methods are likely to be excluded.

- I recommend rewriting only studies that include some risk factors with debate.

- There was no presentation of data extracted from this study. You should clearly explain the type of preoperative traction, status of implant, mechanism of ONFH, etc.

- You should clarify the reason for the exclusion of the studies presented in Figure 1.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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